

FIG. 1

100
↓

Pumping Motion

Top Leaky Piston

Outlet Pipe

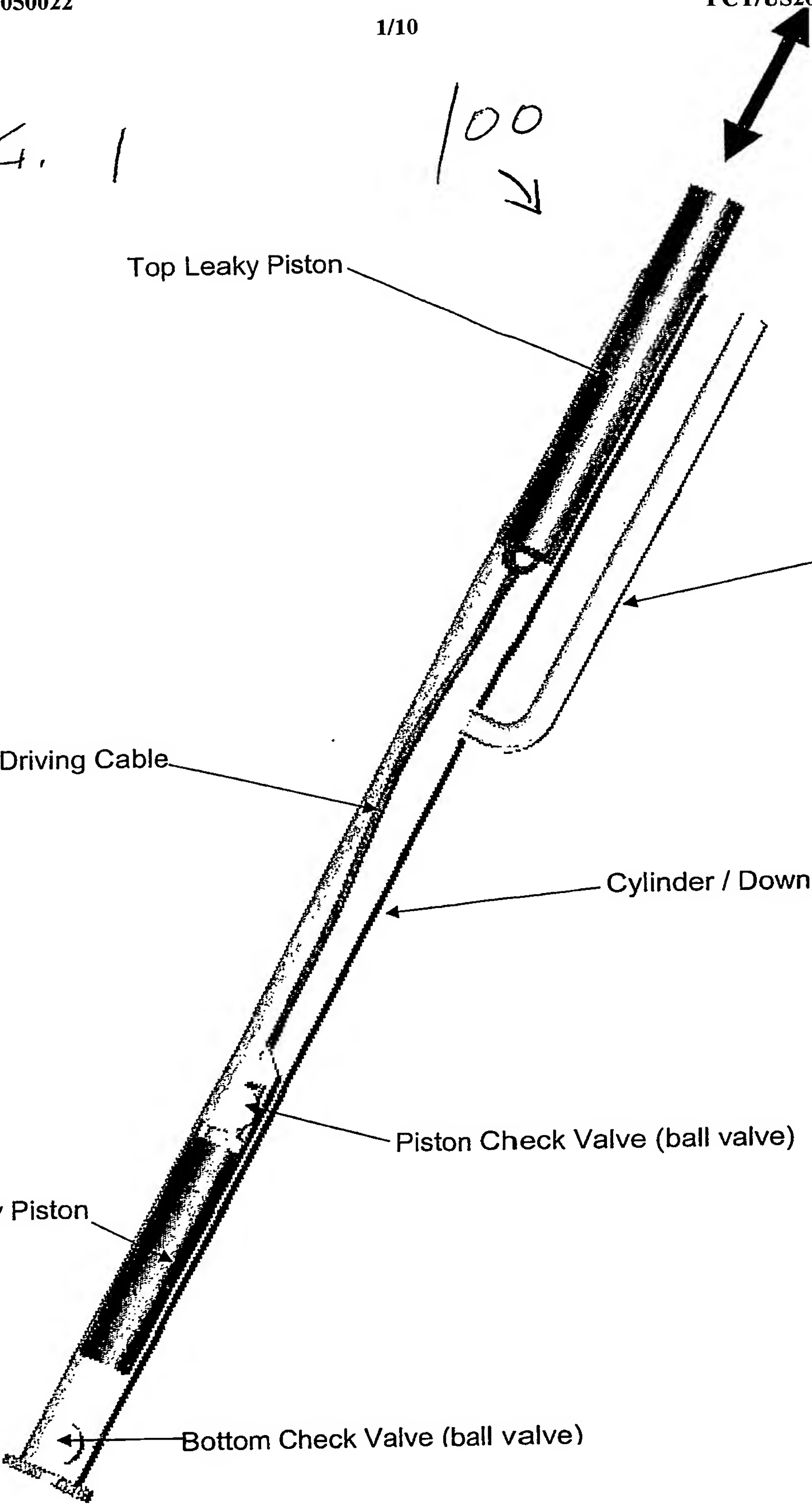
Driving Cable

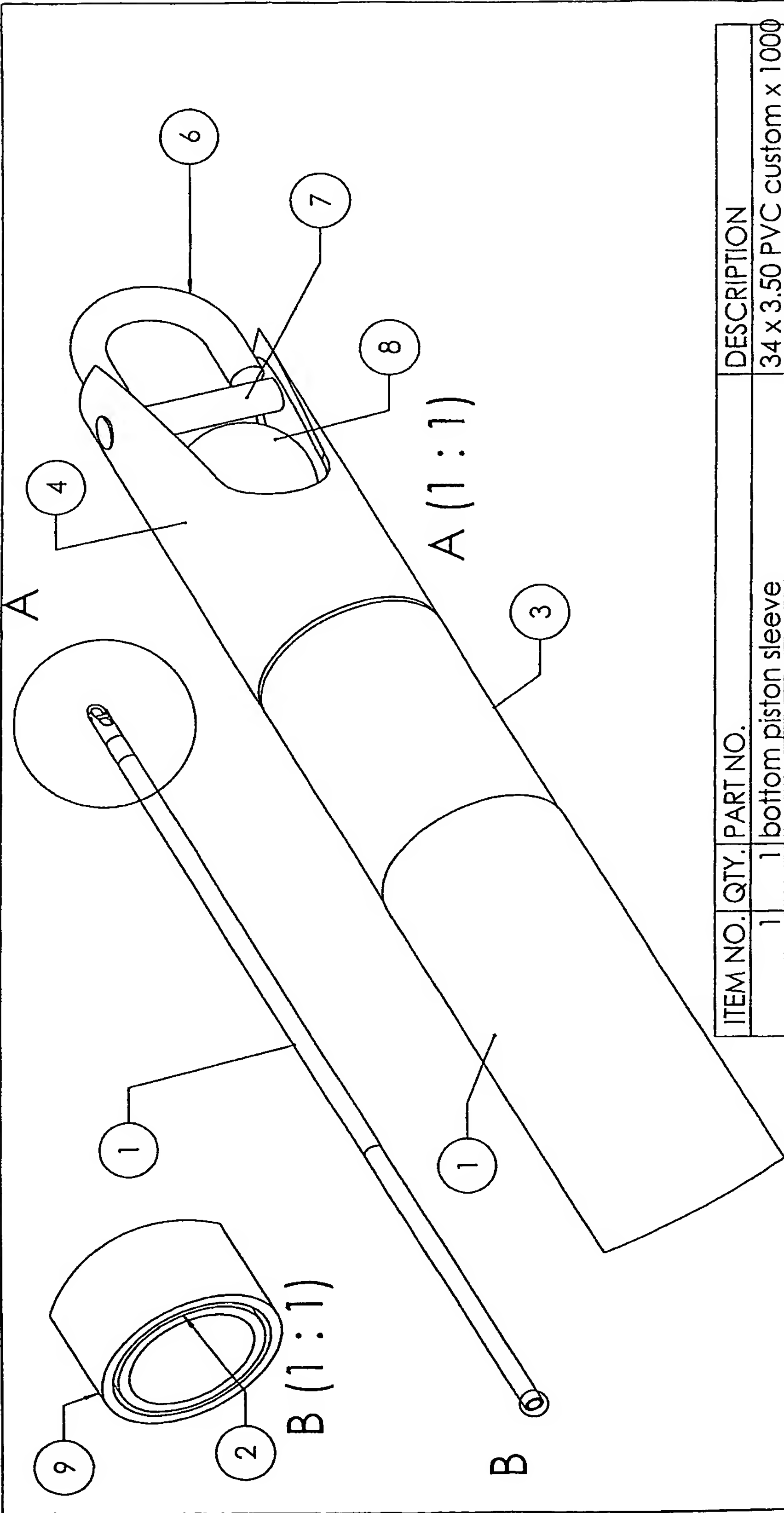
Cylinder / Downpipe

Piston Check Valve (ball valve)

Bottom Leaky Piston

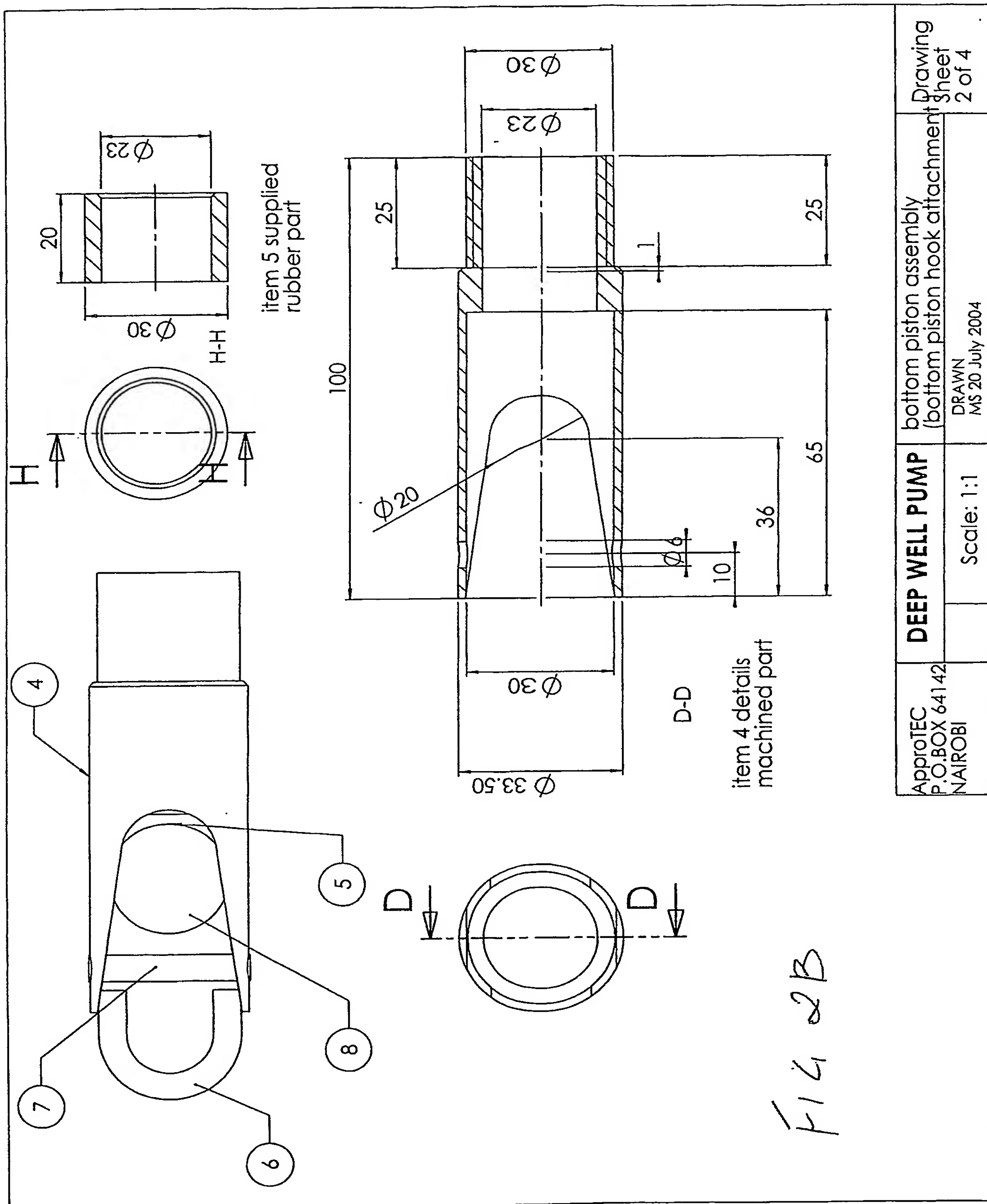
Bottom Check Valve (ball valve)





ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	bottom piston sleeve	34 x 3.50 PVC custom x 1000
2	1	bottom piston insert	27 x 2 3/4" class A x 1665
3	1	valve adaptor nipple	1" BPC x 50
4	1	bottom piston hook attachment	BSS 38 x 100
5	1	ball valve 23mm seat	moulded supplied part
6	1	hook attachment	6 round bar x 130
7	1	ball retainer rod2	dia. 6 round bar x 34
8	1	25mm ball	standard part
9	1	bottom piston added weight	33 x 2 RST x 650

Approtec P.O. BOX 64142 NAIROBI	DEEP WELL PUMP	bottom piston assembly (assembly details)	Drawing Sheet 1 of 4
	Scale 1:10	DRAWN MS 20 July 2004	



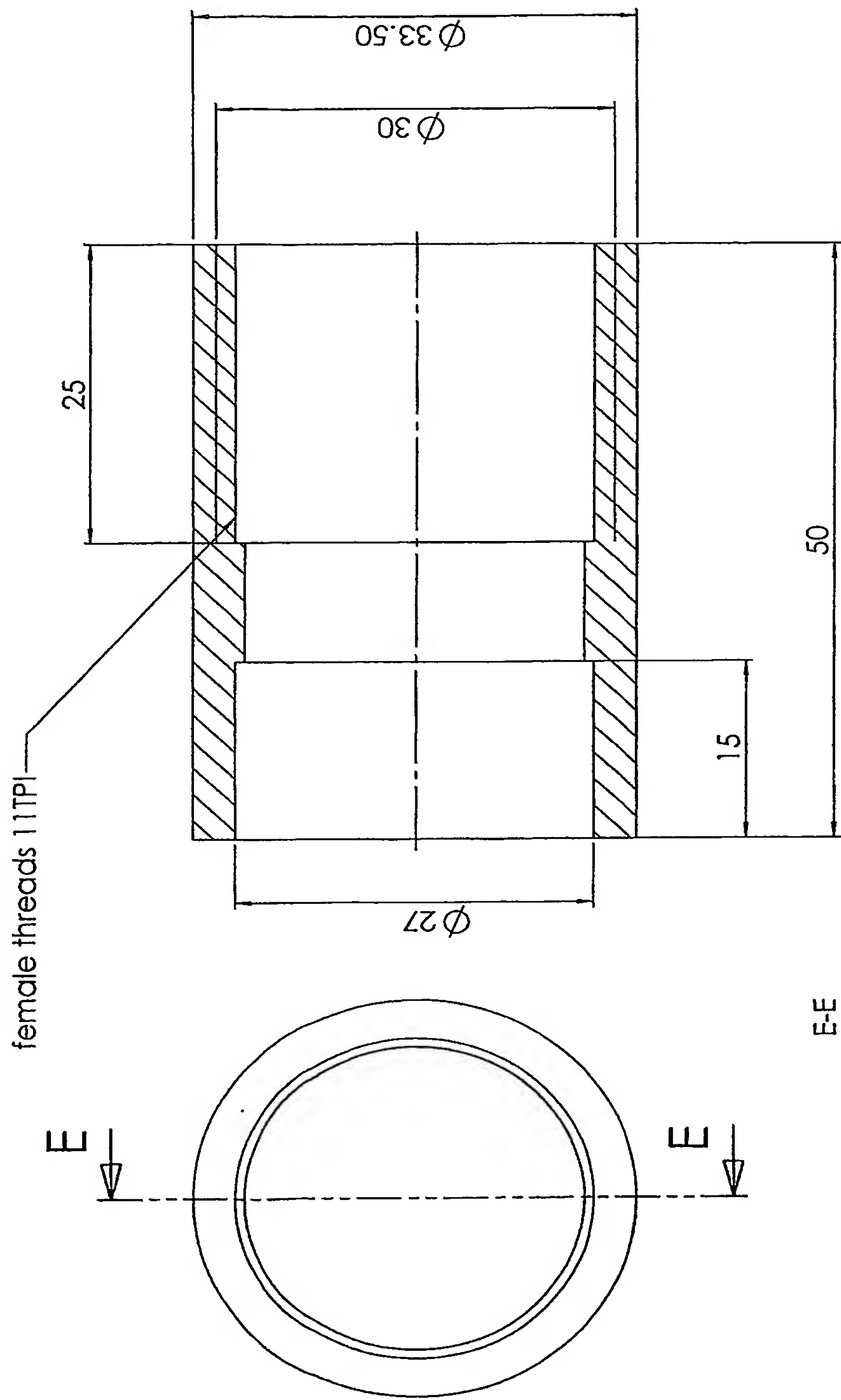


FIG 2C

Approtec P.O.BOX 64142 NAIROBI	DEEP WELL PUMP		bottom piston assembly (valve adaptor nipple details)	DRAWN MS 20 July 2004	Drawing Sheet 3 of 4
		Scale: 2:1			

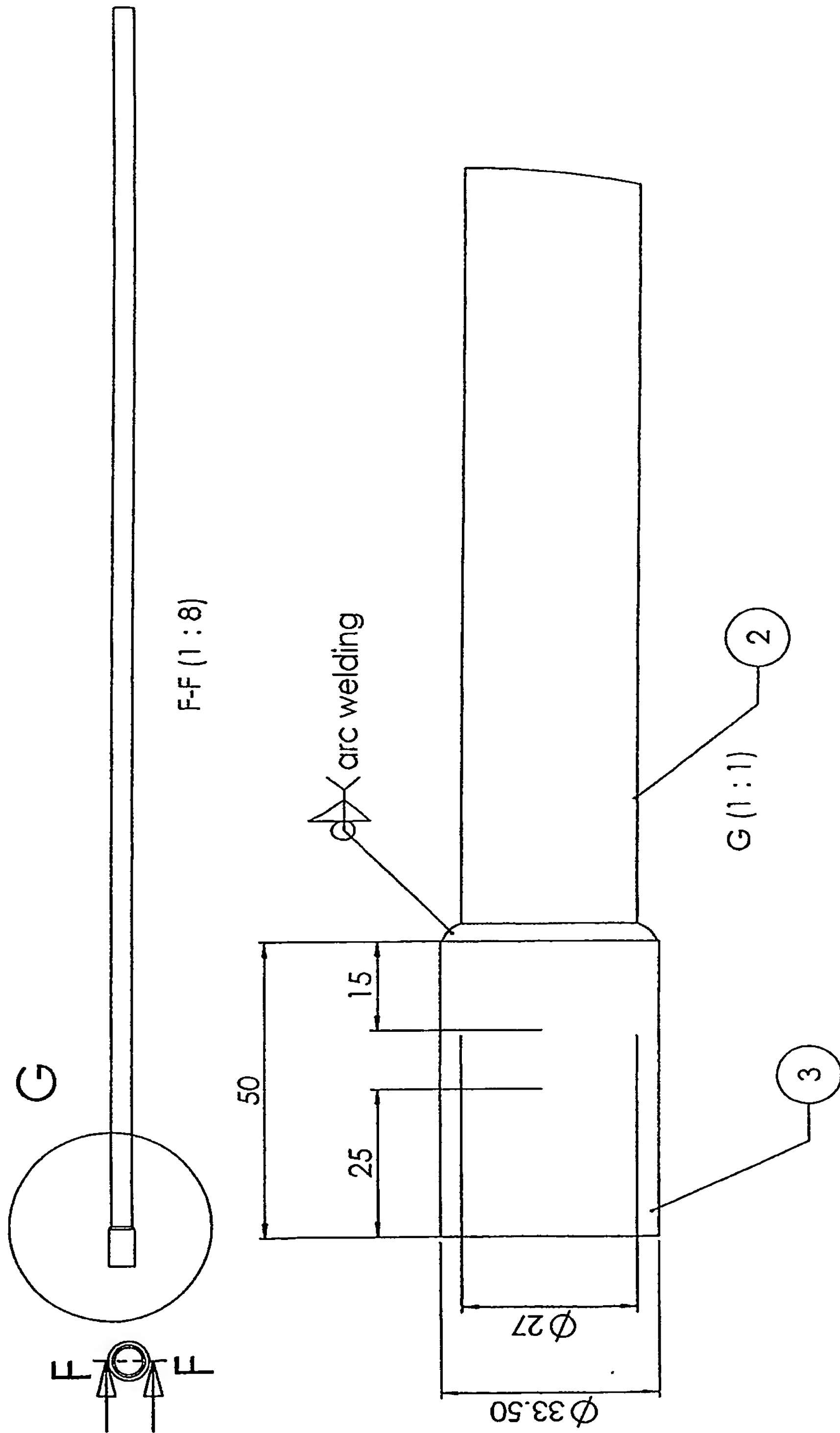
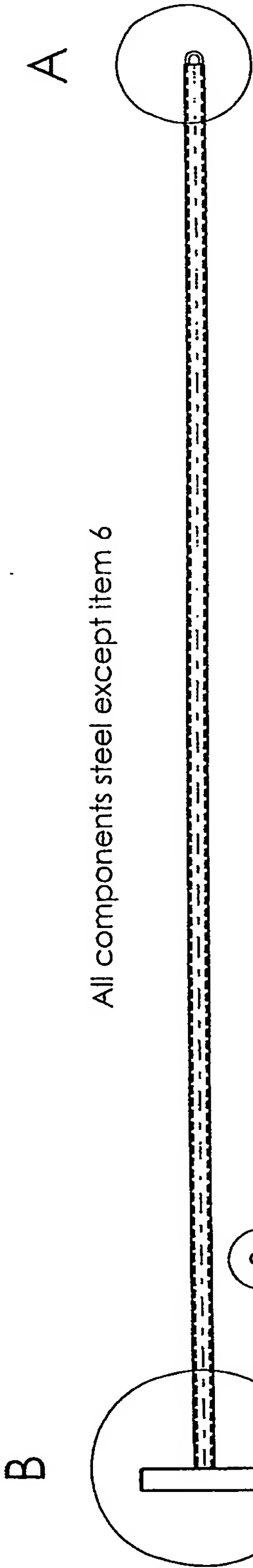


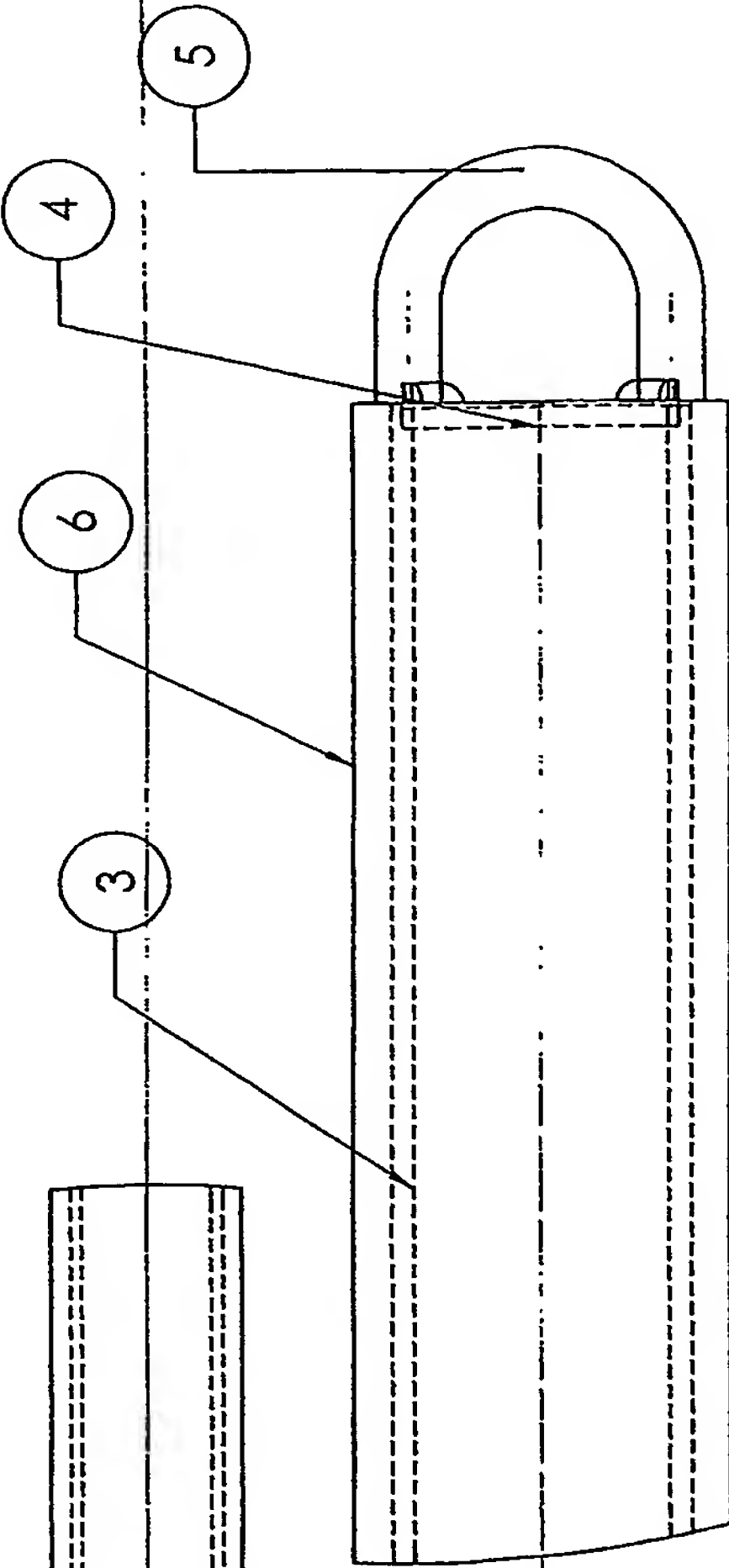
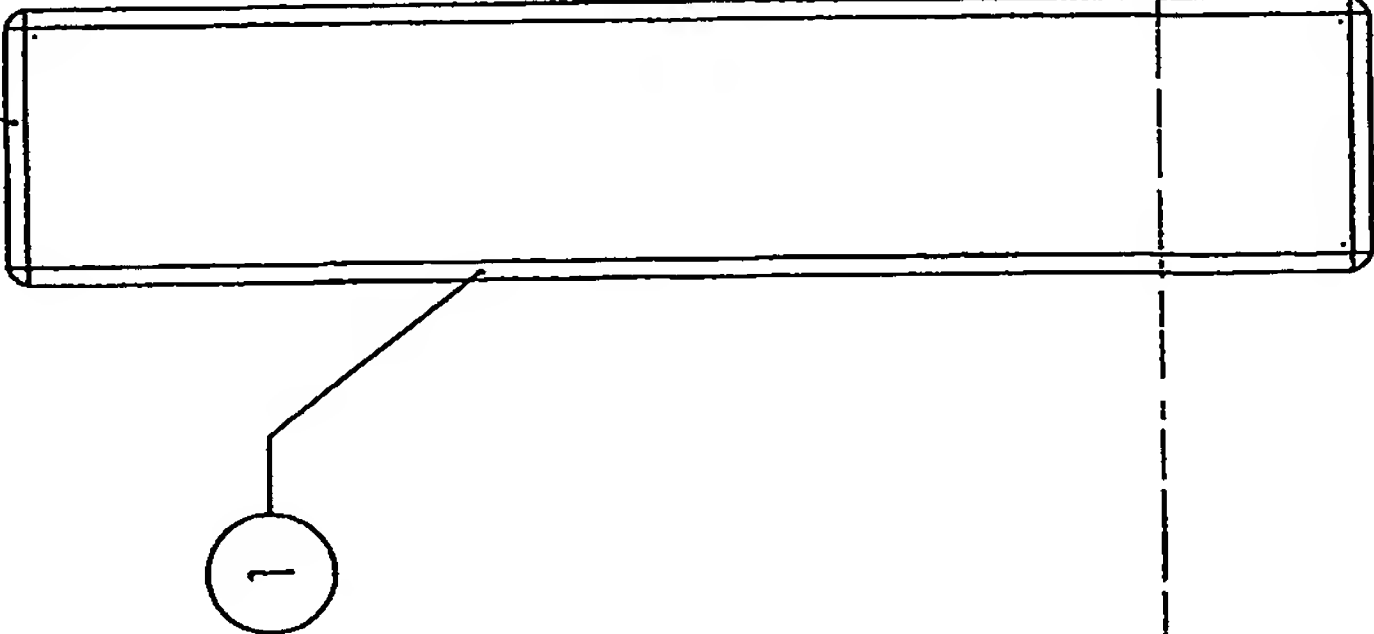
FIG 2D

Approtec P.O.BOX 64142 NAIROBI	DEEP WELL PUMP		bottom piston assembly (valve adaptor to insert joint)		Drawing Sheet 4 of 4
		Scale: 1:8	DRAWN MS 20 July 2004		



All components steel except item 6

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	2	roller slot member 1	40 x 3 flat bar x 200
2	2	roller slot member 2	40 x 3 flat bar x 40
3	1	top piston insert	dia 27 x 2 3/4" class A x 2750
4	1	cover disk	dia 25 x 2.50 disk
5	1	hook attachment	6 round bar x 130
6	1	top piston sleeve	dia 34 x 3.50 pvc 1" class C x 2750

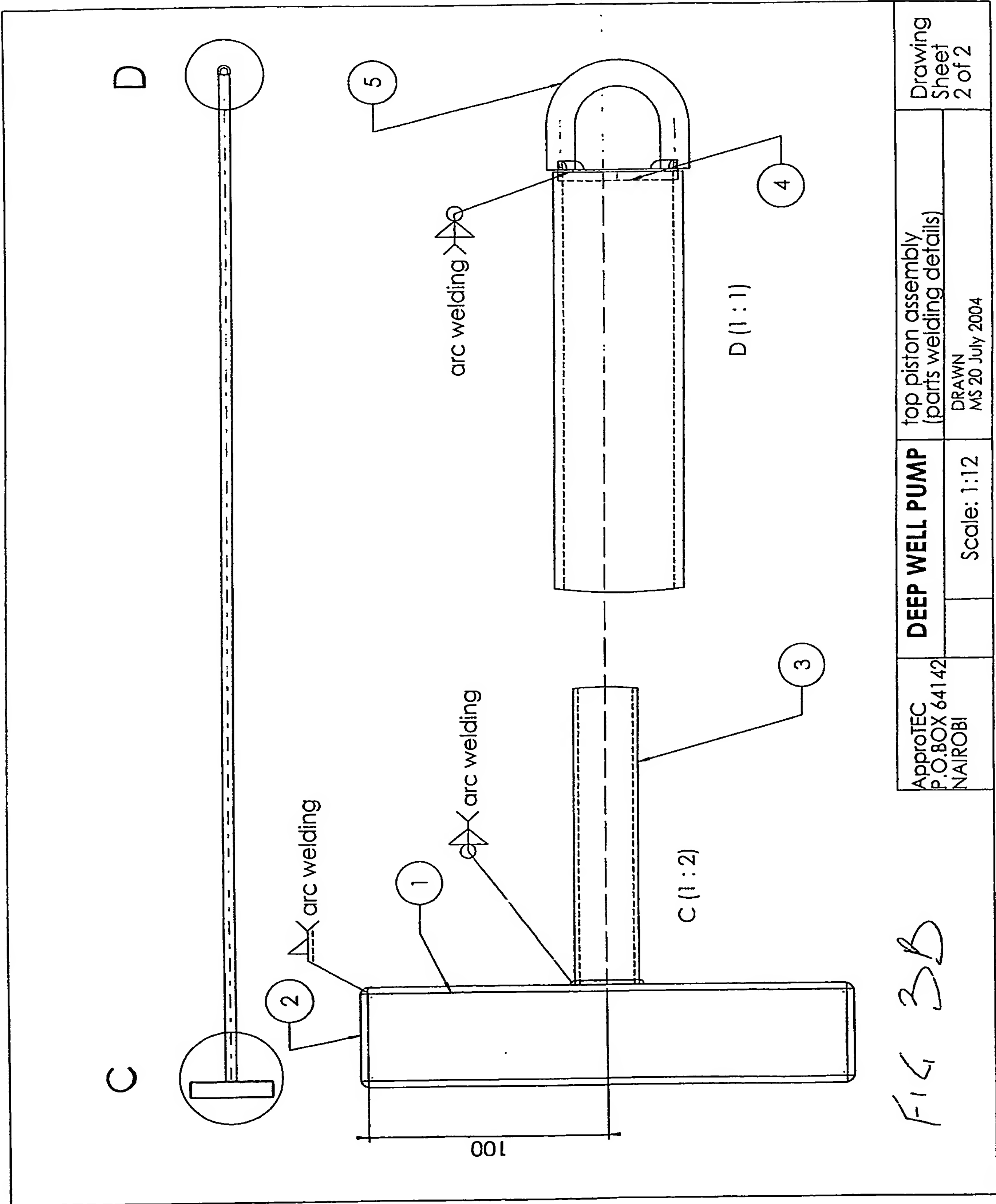


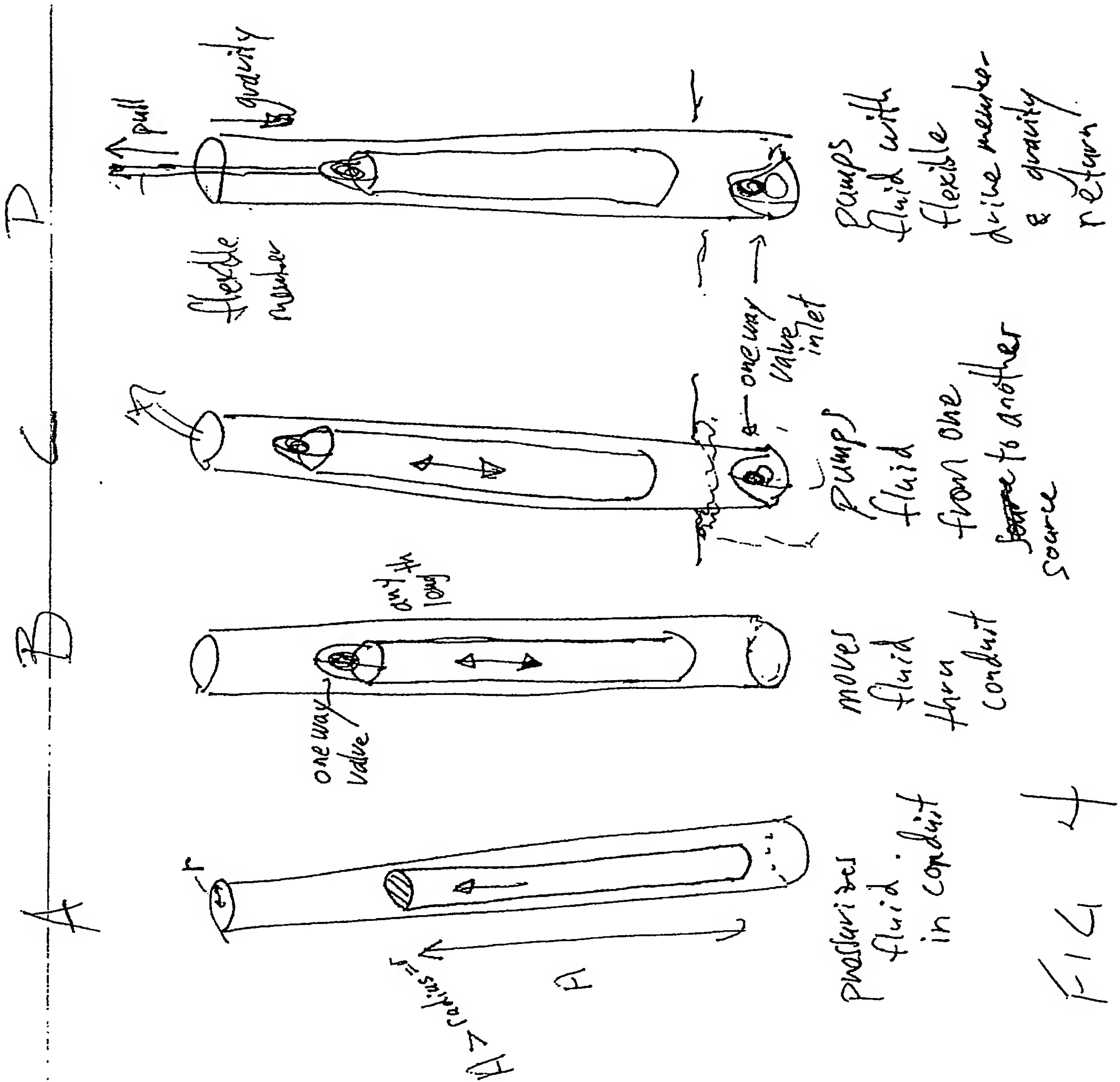
A (1 : 1)

B (1 : 2)

FIG 3A

Approtec P.O.BOX 64142 NAIROBI	DEEP WELL PUMP	top piston assembly (assembly details)	Drawing Sheet 1 of 2
	Scale: 1:12	DRAWN MS 20 July 2004	





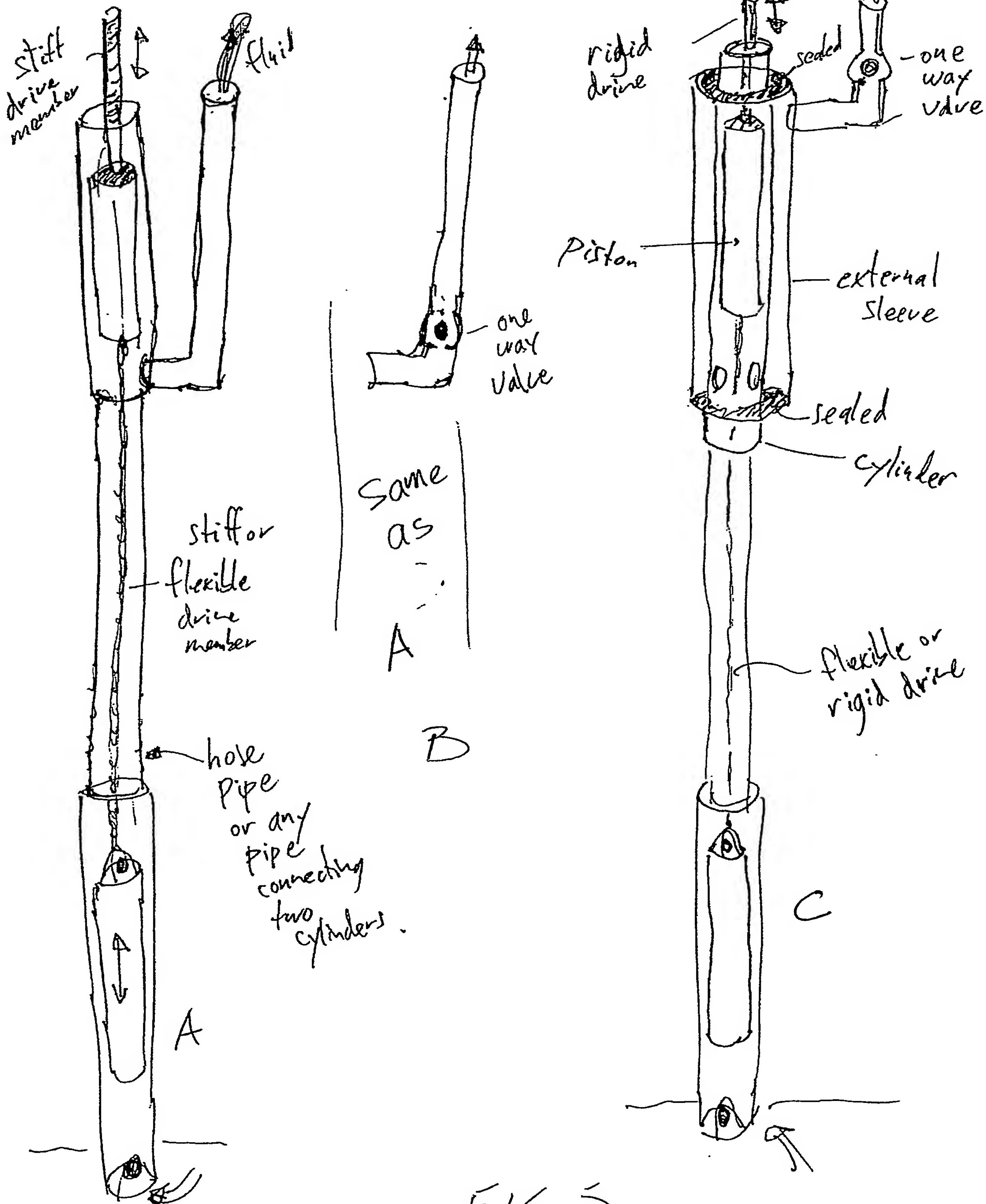


FIG 5

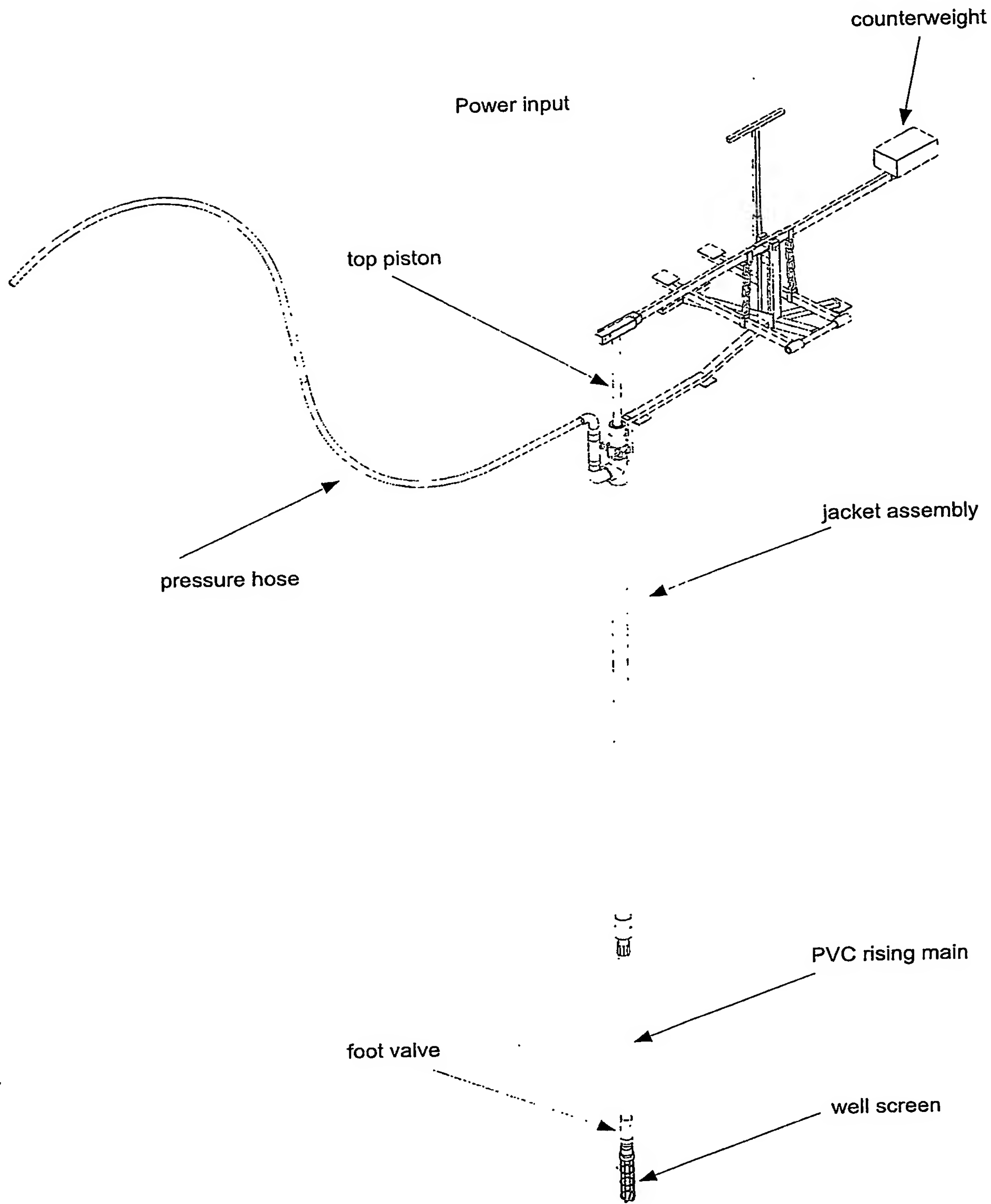


FIG. 6